

WHAT IS CLAIMED IS:

Sub B1

1. A method for recording and playing data, the method comprising:  
incrementally recording a first set of data; and  
incrementally playing a second set of data wherein the incremental  
5 playing of the second set of data begins while incrementally recording the first  
set of data.
2. The method of Claim 1, wherein the second set of data is recorded data  
from the first set of data.
3. The method of Claim 1, wherein the data is audio data.
- 10 4. The method of Claim 1, wherein the data is video data.
5. The method of Claim 1, wherein the data is multimedia data.

Sub B2

6. A play while record system comprising:  
a first device;  
a second device;  
15 a record module configured to record on the second device a first stream  
representing a first set of data from the first device; and  
a play module configured to play a second stream representing a second  
set of data from the second device wherein the play module plays the second  
stream while the record module records the first stream.
- 20 7. The play while record system of Claim 6, wherein the first set of data  
and the second set of data represent the same data.
8. The play while record system of Claim 6, wherein the second set of data  
represents data recorded from the first stream.
9. The play while record system of Claim 6, wherein the data is audio data.
- 25 10. The play while record system of Claim 6, wherein the data is video data.
11. The play while record system of Claim 6, wherein the data is multimedia  
data.
12. The play while record system of Claim 6, wherein the first device is a  
CD-ROM drive.
- 30 13. The play while record system of Claim 6, wherein the second device is a  
memory device.

14. The play while record system of Claim 6, wherein the first device is the same as the second device.

15. The play while record system of Claim 6, wherein the record module is further configured to perform at least one test on the CD-ROM drive.

sub B3

16. A method for playing and simultaneously recording streams of audio data, the method comprising:

- receiving a first stream of audio data from a first set of audio data;
- encoding the first stream of audio data to produce a first encoded stream of audio data;
- 10 encrypting the first encoded stream of audio data to produce a first encrypted, encoded stream of audio data;
- saving the first encrypted, encoded stream of data to a first data file in a first storage location;
- reading a second encrypted, encoded stream of audio data from a second data file in a second storage location wherein the reading of the second encrypted, encoded stream of audio data begins while encoding the first stream of audio data;
- 15 decrypting the second encrypted, encoded stream of audio data to produce a second encoded stream of audio data; and
- 20 decoding and playing the second encoded stream of audio data.

17. The method of Claim 16, wherein the first data file is the same as the second data file and the first storage location is the same as the second storage location.

18. The method of Claim 16, wherein the first stream of audio data from a first set of audio data is received from a CD-ROM drive.

sub B34

19. A system for playing streamed data while recording streamed data, the system comprising:

- means for recording a first set of streamed data;
  - means for playing a second set of streamed data; and
  - means for beginning the playing of the second set of streamed data while recording the first set of streamed data.
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20. The system of Claim 19, wherein the second set of streamed data is recorded data from the first set of streamed data.

SUB 5 → 21. A method for playing and recording audio data at the same time, the method comprising:

5 recording audio data; and  
playing a recorded portion of the audio data during recording of the audio data.

22. The method of Claim 21, wherein recording the audio data includes:  
10 reading the audio data;  
encoding the audio data; and  
saving the encoded audio data.

23. The method of Claim 21, wherein playing the encoded audio data includes:

15 reading the encoded audio data; and  
decoding the audio data.

SUB 6 → 24. A method for processing audio data comprising:  
stream recording audio data; and  
stream playing the recorded audio data wherein the stream playing of the stream recorded audio data begins before the stream recording of the audio data is finished.  
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25. A method for testing a CD-ROM drive to determine whether the CD-ROM drive is suitable for playable record, the method comprising:

25 determining whether a CD-ROM drive has the capability to digitally extract data;  
determining whether the CD-ROM drive can digitally extract data above a threshold rate; and  
determining whether the CD-ROM drive can digitally extract without errors.

26. A method for testing a CD-ROM drive to determine whether the CD-ROM drive can digitally extract without errors, the method comprising:  
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determining whether differences between the first set and the second set exceed a threshold value.

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ADD B9

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